

**Notice of Allowability**

Application No.

09/993,650

Examiner

Mariceli Santiago

Applicant(s)

SHINODA ET AL.

Art Unit

2879

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed July 20, 2004.
2. ☒ The allowed claim(s) is/are 1-3,5-30 and 32-48.
3. ☒ The drawings filed on 27 November 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 08/010,169.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## **DETAILED ACTION**

### ***Response to Amendment***

The Amendment, filed on June 20, 2004, has been entered and acknowledged by the Examiner.

Cancellation of claims 4 and 31 has been entered.

Claims 1-3, 5-30 and 32-48 are pending in the instant application.

### ***Response to Arguments***

Applicant's arguments, see Remarks, filed June 20, 2004, with respect to rejection of independent claims 1, 19, 24 and 28 have been fully considered and are persuasive. Particularly, applicant's argues that the instant application states in the independent claims' preamble "A surface discharge type AC color plasma display panel...", which is deemed essential to point out the invention defined by the claims, see *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1,951), accordingly, the preamble should be entitle to patentable weight. The arguments are found persuasive, thus, the final rejection of claims 1, 19, 24 and 28 has been withdrawn.

### ***Allowable Subject Matter***

Claims 1-3, 5-30 and 32-48 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 1, and specifically comprising the limitation of a surface discharge type AC color PDP substrate assembly further comprising plural barrier ribs

Art Unit: 2879

supported on the main surface of the insulating plate, spaced in parallel relationship in the first direction and extending in the second direction, parallel to the plural address electrodes and respectively defining plural elongated cavities therebetween aligned with respective address electrodes, and being continuous throughout the length thereof and of a substantially common length in the second direction, and plural color phosphor layers of different colors formed respectively in the plural elongated cavities and arranged in repeating succession in the first direction.

Regarding claims 2, 3, 5-13, 41 and 44, claims 2, 3, 5-13, 41 and 44 are allowable for the reasons given in claim 1 because of their dependency status from claim 1.

Regarding claim 14, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 14, and specifically comprising the limitation of a surface discharge type AC color PDP substrate assembly further comprising a second substrate disposed on the first substrate, contacting the barrier ribs and enclosing the cavities defined therebetween, the second substrate having plural pairs of display electrodes, thereon, extending in the first direction and crossing the barrier ribs, the corresponding cavities and the associated address electrodes, each pair of display electrodes defining, with the successive sets of color phosphor stripes and respective address electrodes crossed thereby, respective and successive image elements.

Regarding claims 15-18 and 47, claims 15-18 and 47 are allowable for the reasons given in claim 14 because of their dependency status from claim 14.

Regarding claim 19, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 19, and specifically comprising the limitation of a surface discharge type AC color PDP substrate assembly further comprising a second substrate disposed on the first substrate and having plural display electrodes thereon, extending

Art Unit: 2879

in the first direction and crossing the barrier ribs and the corresponding cavities and corresponding address electrodes, and thereby defining an array of plural surface discharge cells arranged in rows in the first direction and columns in the second direction, individual discharge cells of each row being separated by corresponding barrier ribs and individual discharge cells of each column being defined by the respective display electrodes crossing the respective cavity.

Regarding claims 20-23 and 48, claims 20-23 and 48 are allowable for the reasons given in claim 19 because of their dependency status from claim 19.

Regarding claim 24, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 24, and specifically comprising the limitation of a surface discharge type AC color PDP substrate assembly further comprising plural address electrodes, each address electrode aligned with a respective elongated cavity and extending along the length of the corresponding cavity, and plural sets of color phosphor stripes, each set comprising a common number of plural color stripes of respective, different colors received in a respective set of plural, corresponding adjacent cavities, each color phosphorous stripe covering the respective address electrode in the corresponding cavity and being continuous throughout a length thereof and each cavity having only a single, continuous length color phosphor stripe thereof.

Regarding claims 25-27, 42 and 45, claims 25-27, 42 and 45 are allowable for the reasons given in claim 24 because of their dependency status from claim 24.

Regarding claim 28, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 28, and specifically comprising the limitation of a surface discharge type AC color PDP substrate assembly further comprising plural barrier ribs supported on the main surface of the insulating plate and disposed respectively in the

Art Unit: 2879

corresponding gaps between the plural address electrodes and correspondingly spaced in parallel relationship in the first direction and extending in the second direction, parallel to the plural address electrodes and respectively defining plural elongated cavities therebetween, the plural elongated cavities being of a substantially common length in the second direction and each elongated cavity being continuous substantially throughout the length thereof and accommodating therein a respective column of plural, spaced discharge cells, and plural color phosphor layers of different primary colors formed respectively in the plural elongated cavities and arranged in a repeating succession, in the first direction, of plural sets of linear stripes respectively of the different primary colors, each color phosphor linear stripe extending continuously substantially throughout the length of the respective elongated cavity, the plural, spaced discharge cells accommodated therein corresponding to respective, spaced portions of the continuous phosphor linear stripe.

Regarding claims 29, 30, 32-40, 43 and 46, claims 29, 30, 32-40, 43 and 46 are allowable for the reasons given in claim 28 because of their dependency status from claim 28.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

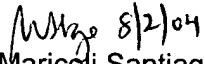
#### ***Contact Information***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

Art Unit: 2879

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
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Art Unit 2879

  
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